

022704

UTILITY

PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 248448US2

First Inventor or Application Identifier Arnaud GUEGUEN

Title METHOD AND DEVICE FOR EFFICIENT DECODING OF SYMBOLS TRANSMITTED IN
A MIMO TELECOMMUNICATION SYSTEM

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO: Commissioner for Patents
Mail Stop Patent Application
Alexandria, Virginia 22313

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification Total Sheets
3. ☒ Drawing(s) (35 U.S.C. 113) Total Sheets
4. ☐ Oath or Declaration Total Pages
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. §1.63(d))
(for continuation/divisional with box 17 completed)
- i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in
the prior application, see 37 C.F.R. §1.63(d)(2) and
1.33(b).
5. ☐ CD-ROM or CD-R in duplicate, large table or Computer
Program (Appendix)
6. ☐ Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification or Sequence Listing on :
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ Paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. ☐ Assignment Papers (cover sheet & document(s))
8. ☒ Application Data Sheet. See 37 CFR 1.76
9. ☐ 37 C.F.R. §3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations (10)
12. ☒ Request for Priority
13. ☒ White Advance Serial No. Postcard
14. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
15. ☐ Applicant claims small entity status.
See 37 CFR 1.27
16. ☒ Other: International Search Report

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10/787114

022704

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no.:
Prior application information: Examiner: Group Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

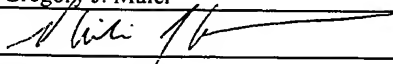
18. CORRESPONDENCE ADDRESS

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Signature:		Date:	2-27-04
Name:	Philip J. Hoffman	Registration No.:	46,340



Deposit No. 248448US2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) Arnaud GUEGUEN

SERIAL NO: New Application

FILING DATE: Herewith

FOR: METHOD AND DEVICE FOR EFFICIENT DECODING OF SYMBOLS TRANSMITTED IN A MIMO TELECOMMUNICATION SYSTEM

FEE TRANSMITTAL

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
TOTAL CLAIMS	9 - 20 =	0	x \$18 =	\$0.00
INDEPENDENT CLAIMS	2 - 3 =	0	x \$86 =	\$0.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS (If applicable)			+ \$290 =	\$0.00
<input checked="" type="checkbox"/> LATE FILING OF DECLARATION			+ \$130 =	\$130.00
BASIC FEE				\$770.00
TOTAL OF ABOVE CALCULATIONS				\$900.00
<input type="checkbox"/> REDUCTION BY 50% FOR FILING BY SMALL ENTITY				\$0.00
<input type="checkbox"/> FILING IN NON-ENGLISH LANGUAGE			+ \$130 =	\$0.00
<input type="checkbox"/> RECORDATION OF ASSIGNMENT			+ \$40 =	\$0.00
TOTAL				\$900.00

☐ Please charge Deposit Account No. 15-0030 in the amount of **\$0.00**. A duplicate copy of this sheet is enclosed.

☒ A check in the amount of **\$900.00** to cover the filing fee is enclosed.

☐ Credit card payment form is attached to cover the filing fee in the amount of **\$0.00**

☒ The Director is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Gregory J. Maier

Registration No. 25,599

Date: 2-24-04

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Philip J. Hoffmann

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Arnaud GUEGUEN

GAU: Unassigned

SERIAL NO: New Application

EXAMINER: Unassigned

FILED: Herewith

FOR: METHOD AND DEVICE FOR EFFICIENT DECODING OF SYMBOLS TRANSMITTED IN A MIMO
TELECOMMUNICATION SYSTEM

REQUEST FOR PRIORITY

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

- ☐ Full benefit of the filing date of U.S. Application Serial Number , filed , is claimed pursuant to the provisions of 35 U.S.C. §120.
- ☐ Full benefit of the filing date(s) of U.S. Provisional Application(s) is claimed pursuant to the provisions of 35 U.S.C. §119(e): Application No. Date Filed
- ☒ Applicants claim any right to priority from any earlier filed applications to which they may be entitled pursuant to the provisions of 35 U.S.C. §119, as noted below.

In the matter of the above-identified application for patent, notice is hereby given that the applicants claim as priority:

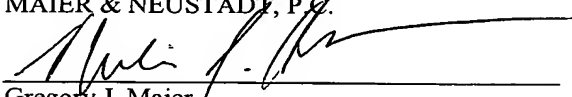
<u>COUNTRY</u>	<u>APPLICATION NUMBER</u>	<u>MONTH/DAY/YEAR</u>
EPC	03 290482.3	February 28, 2003

Certified copies of the corresponding Convention Application(s)

- ☐ are submitted herewith
- ☒ will be submitted prior to payment of the Final Fee
- ☐ were filed in prior application Serial No. filed
- ☐ were submitted to the International Bureau in PCT Application Number
Receipt of the certified copies by the International Bureau in a timely manner under PCT Rule 17.1(a) has been acknowledged as evidenced by the attached PCT/IB/304.
- ☐ (A) Application Serial No.(s) were filed in prior application Serial No. filed ; and
- ☐ (B) Application Serial No.(s)
- ☐ are submitted herewith
- ☐ will be submitted prior to payment of the Final Fee

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.


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